

REMARKS

Status of the Application

Claims 1-39 are pending in the application. Claims 1, 2, 15, 16, and 25 are rejected under 35 U.S.C. § 102(b) as being anticipated by newly cited Mohri (US Publication 2002/0012014). Claims 3-6 and 17-18 are rejected under 35 U.S.C. § 103(a) as being unpatentable over newly cited Mohri in view of Raffi et al. (US Patent 6,512,838).

By this Amendment, Applicants hereby add new claims 40 and 41.

Claim Rejections - 35 U.S.C. § 102

Claims 1, 2, 15, 16, and 25 are rejected under 35 U.S.C. § 102(b) as being anticipated by Mohri (US Publication 2002/0012014).

Claim 1 recites, in part, “adaptively configuring the 3D input device corresponding to signals which are provided from the plurality of the finger devices worn by a user, by using information of the recognized finger positions of the finger device.” The Examiner alleges that Mohri discloses each of the elements of claim 1. Applicants respectfully disagree.

In particular, the Examiner alleges that paragraphs [0195]-[0219], along with FIG. 22, operations S2-S25 discloses the above noted feature of claim 1. Paragraphs [0195]-[0216] of Mohri disclose a posture sensor apparatus, which attaches to a user’s hand and measures 1) an acceleration signal, 2) measurement of an angular speed sensor, 3) measurement of translatory movement and 4) fingertip angular speed (S1, S12, S18 and S23) as the user moves his hand (i.e., movement detection). Based on these measurements, the input apparatus generates a signal based on the movement detection operation. According to paragraphs [0221]-[0227] of Mohri, the movement detection apparatus can thus accurately distinguish between stop and constant speed motion of an object. As such, a command may change depending on whether the object in

question is stopped, or still in motion. However, the command determination cannot correspond to adaptively *configuring* the 3D input device ... by using information of the recognized finger positions of the finger device” as recited in claim 1.

As argued with regard to the rejection in the previous Office Action, the control command identified by the Examiner is not a *configuration* of the 3D input device, but is a *function of a configuration* of the 3D input device. A control command in Mohri is identified by recognizing a particular hand shape. As noted in paragraph [0032] of Mohri, the posture sensor outputs a posture of the hand, and a command generator generates a command based on the output of the posture sensor. However, the *configuration* of the 3D input device in Mohri remains for every possible identifiable hand shape. On the other hand, according to an exemplary embodiment of claim 1, an identical hand shape will result in differing control commands, each control command being determined by the *adaptive configuration* of the 3D input device corresponding to signals which are provided from the plurality of the finger devices worn by a user, by using information of the recognized finger positions of the finger device. The Examiner has yet to identify a single embodiment of Mohri which indicates that an identical hand position results in two different commands being produced, based on the configuration corresponding to the recognized finger positions of the finger devices.

Accordingly, claim 1 should be patentable over the applied art. Therefore, claim 1 is patentable over the applied art. Claim 15 recites limitations similar to claim 1, and should be patentable for reasons analogous to claim 1. Claims 2, 16 and 25 should be patentable at least by virtue of their respective dependencies.

Claim Rejections - 35 U.S.C. § 103

Claims 3-6 and 17-18 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Mohri in view of Rafii et al. (US Patent 6,512,838).

Claims 3-6 and 17-18 are dependent from claims 1 and 15. Because Mohri fails to disclose each of the elements of claims 1 and 15, and because Rafii fails to cure the deficiencies noted with respect to claims 1 and 15, claims 3-6 and 17-18 should be patentable at least by virtue of their respective dependencies.

New Claims

Applicants hereby add new claims 40 and 41. Claims 40 and 41 depend from claims 1 and 15, respectively, and are patentable at least by virtue of their respective dependencies.

Claims 40 and 41 are further patentable for reasons independent of their dependency. Claim 40 recites “wherein the adaptively configuring the 3D input device includes deactivating algorithms on unworn finger devices from among the plurality of finger devices. Claim 41 recites similar features. According to an exemplary embodiment of the subject matter recited in claims 40 and 41, “[t]he signal-processing unit 140 initializes its hardware and software in step S410. After the finger device self-configuring unit 141 receives the finger device recognition information and the sensor signals from the pre-processing unit 130 (step S420), the finger device self-configuring unit 141 deactivates algorithms on the unworn sensors and configures the firmware subsequently based on the received finger device recognition information (step S430). **For example, if the finger device self-configuring unit 141 receives finger device recognition information indicating the user is wearing the second 112, third 113, and fourth 114 sensors, the finger device self-configuring unit 141 sets up algorithms used to process the**

signals received from the second 112, third 113, and fourth 114 sensors and deactivates the other algorithms.” See pages 10 and 11 of the instant specification.

Applicants respectfully submit that Mohri and Rafii fail to disclose “deactivating algorithms on unworn finger device from among the plurality of finger devices” recited in claims 40 and 41. Therefore, claims 40 and 41 are patentable over the applied art.

Conclusion

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

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